

# Computer Science Technology and Network Technology in the Application of the Computer Room Security

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**Abstract**—with the progress of national science and technology, especially the rapid development of computer network technology, the application of network information and sharing more and more get the attention of computer users, can accurately grasp the information technology, closely to the pace of the information development is the foundation of talent quality education in today's society, therefore, as the basis of computer network running in the computer room facilities, the application and management of it needs to reform and innovation as the pace of The Times. The application of computer technology and network technology, provide scientific basis for the management of computer room, contribute to the progress of computer room management. In this paper, the computer technology and network technology to a certain analysis, summarizes the problem often occurs in the engine room management, finally puts forward the application of computer technology and network technology in computer room management method.

**Key words**—*computer technology; Computer science and technology; Safety management; Network technology*

## I. INTRODUCTION

In the knowledge economy as the core of the information age, computer science and technology has been widely recognised as the century's most major all over the world and at the core of science and technology, it has penetrated into every aspect of social life, influence and changing the human thinking mode and behavior patterns. In the economic globalization and human pay more and more attention to the situation of sustainable development, the spirit of the modern architecture in increasingly complex, substance and function demand, forcing architectural design to the rigorous and scientific aspects of evolution, both in content and form, means and techniques, traditional architectural design method has already can not adapt to the demand of the information age.

Since information and so closely related to our life, we might as well talk about information refers to what. Information is the record of human perception to the world. Forms of expression of information characters,

light and sound, graphics, images, and some is human sensory perception, with the aid of instruments to the form of perception. Recorded information processing, calculation, editing, statistical, reduction, transmission, storage, audit and return form. Information record have to rely on the carrier, the carrier and carrier can be divided into the store. Information is our intangible assets, it is so important for us, that we pay more and more attention to the safety of it.

This article will discuss the computer technology and network technology in the computer room to explore the application of safety management, analyzes the principles of computer security, network technology, and make summary to full text.

The computer technology and network technology

Computer technology content mainly includes computer system technology, component technology, component technology, the assembly technology, etc., specific content has central processor design, the arithmetic unit design, instruction system design, operation method, line principle and the basic principle of data input and output and use of computer technology penetration to the students who apply for computers in the classroom teaching, using computer technology in the computer room management can not only improve the efficiency of courses teaching, also can reduce the labor intensity of managerial personnel, beneficial to the improvement of the engine room automation level.

software resources sharing and the exchange of user information. Can within the scope of the entire network hardware resources sharing of storage resources, processing, input and output of resources sharing, to save the user's investment, is advantageous to the centralized management and share the load, the students can use the server to download or browse the multimedia material, computer experiment content, etc.;

Software resource sharing can make students use of campus net database, access to school and was able to get the network file transfer service, remote file access services and management services, can effectively avoid repeat of similar software or data storage; User information exchange refers to the student can use the Internet to send E-mail, delivery work, learning communication with students or teachers, etc., the computer network breakthrough the limitation of the local area, to maximize resource sharing.

Think in terms of the structure of the computer network information security

At present, a single computer application has been very rare. To connectivity, people are all the computer connected to LAN, wan, or Internet use, namely, according to different people, institutions or area, computer interconnected, reach across computer, across the office, across the building, cross-regional, across the city, across the country, and even across the planet to use. So as to achieve exchange of information across space across time zones, the purpose of sharing resources. This makes human breakthrough the limitation of the organ itself ability, as if a clairvoyant clairaudient and shadow hands and brain. From the Angle of the computer network to ensure the security of information, also is in the transmission of the information on the way to eliminate the risk factors. Information can be converted into data. So the information was professionals sometimes referred to as data. The starting point of information dissemination, is usually a computer, it can be shown as personal computers, servers, data centers. We called the link transmission way. People in a logical division of the link, known as the virtual links. And entity visible link, called physical link. The end of information can be another computer equipment or display information. To do security, network security is to guarantee from the starting point of information/source host - way/link - the finish/destination host, the safety of the communication process. In computer network communication of information, in the field of computer technology, we will use the IP address to indicate the beginning and end of the information.

Common computer network attacks are: stealing permission to attack, paralysis against service, response to detect attack, tamper attack, counterfeit attack, password, buffer overflow attack.

## II.THE SAFETY OF THE MACHINE ROOM MANAGEMENT SYSTEM

As the country attaches great importance to computer technology and society, the proportion of computer courses teaching in school is becoming more and more heavy, traditional, old computer room management way already can't adapt to today's computer course requirements, at the same time, the rapid development of computer technology and network technology have also brought the management of computer room in science and technology support. The computer security system also must be specified.

Computer room security system

1. The rooms all personnel must strictly abide by the security system of the company, attaches great importance to information system security work, take an active part in all kinds of security work and study training activities, subject to security inspection.

2. All staff without permission shall not access to the information system of user information, documents, reports, E-mail, etc belongs to grant access to data or personal information.

3. The rooms all staff without authorization, shall not modify, refer to the information system.

4. Strictly abide by the account password management system and safety operation regulations, according to the level of access to data using appropriate permissions password to enter system; Shall not steal, deciphering others access password.

5. Rooms all staff without permission shall not, without copying, copying equipment organization information, internal documents, drawings, circuit system software, technical files, user information, and shall not, without out of room, returned to his place after use.

6. All involved in the classification of the drawings, data, files, etc should be strict management, earnestly implement use registration procedures. IP address and password confidential information shall not let the irrelevant personnel obtain easily.

7. The room destruction of important confidential documents, data, should use the paper shredder for destruction, may not arbitrarily discarded.

### III.CONCLUSION

Computer room management work looks be like simple, actually is a very complicated work, should not only to rules and regulations on the management of computer room, still need to use computer technology and network technology to the management, so as to ensure room rich store of information and the actual effect, make the room play to the role of the information platform, better service to the people. Network development is potential, also has a lot of room to improve, so a lot of problems need to constantly be governance, perfect, to strengthen the network security of the tube, to further resolve the problem, to provide users with proper safe Internet environment, we study the reason, in my opinion the main is the logical extension of computer has the widely used information richness and problem of diversification. So, the network ethics is a kind of moral restriction of The Times, to solve the problem of computer regulations lag caused by the loss to provide a good way. To achieve win-win ethics and regulation, network management can be rich.

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